State of California

Memorandum

To : **Information Technology Advisory Team**   **Date:** March 13, 2002

Place: Sacramento

Telephone: 654-1456

From : **Information Technology Procurement Team**

The IT Procurement Team (ITPT) is a committee comprised of Information Technology Advisory Team (ITAT) members. The goals of the Procurement Team are development of standards for procurement of hardware and software, and development of a lifecycle (refresh) program. The ITPT will develop quarterly recommendations consistent with emerging technologies and software developments.

The primary considerations for each hardware recommendation are:
- Compatibility and ease of connectivity to the Department network
- Ease of connectivity to external systems and organizations
- Consistent performance of all integrated components in our networked environment
- Industry leader with an established track record in manufacturing, sales, and service
- Successful in-house experience with the chosen product and configuration
- Serviceability by internal support staff
- Maximum period of machine functionality

Application of these criteria will provide for the following program improvements and benefits:
- Ability for IT support staff to focus on depth of application knowledge rather than breadth of numerous applications
- More consistent, uniform, and timely IT support
- Installations will become more efficient, rather than a specialized process for each individual, resulting in time savings
- Upgrades can be tested and documented prior to department-wide deployment to reduce potential incompatibilities and problems
- Standardized hardware will enable staff to use computers more efficiently

Each recommendation will contain discussion on the elements as outlined in the Information Technology Implementation Plan - Attachment II-2.

HANDHELD DEVICES

During our initial review of handheld devices, we looked at the Palm and Pocket PC operating system. With all the flash of Microsoft's Pocket PC operating system, one might easily assume that it's the far superior handheld OS. During this review, we wanted to compare the features of Pocket PC 2002 and Palm OS 4.0 to see exactly what you get with each. The contest isn't quite as one-sided as we originally suspected. Pocket PC has the clear lead in multimedia, but Palm's OS works with more operating systems and PIMs and has a giant library of third-party software to supplement many of its shortcomings. As with many things, your particular priorities will ultimately determine which OS is a better match for you.

Palm and Pocket PC features compared

Personal Organizer Basics

Basic Features	Palm OS 4.0	Pocket PC 2002
Address Book	Yes	Yes
Calendar	Yes	Yes
Note pad	Yes	Yes
E-mail	Yes	Yes
Task List	Yes	Yes
Calculator	Yes	Yes
Handwriting	Graffiti, onscreen keyboard	Character recognizer, on screen keyboard

Personal Organizer with Additional Features

PC Connectivity	Palm OS 4.0	Pocket PC 2002
Works with PC	Yes	Yes
Desktop PIM	Yes	Yes
Sychronization software	HotSync Manager 4.0	ActiveSync 3.5
Syncs with Groupwise	Yes	Yes
Syncs with Outlook	Yes	Yes
Mobile Office		
Microsoft Word document support	Yes – third party software	Pocket Word
Microsoft Excel document support	Yes – third party software	Pocket Excel
Voice recorder	No	Yes
Adobe Acrobat Support	Yes – third party software	Yes – third party software
Mobile Internet		
HTML browser	Yes – third party software	Pocket Internet Explorer
WAP browser	Yes – third party software	Pocket Internet Explorer
Offline browsing	Yes – third party software	Pocket Internet Explorer
Instant messenger client	Yes – third party software	MSN Messenger
VPN Client	Yes – third party software	Yes
Terminal Client	Yes – third party software	Yes
Macromedia Flash support	No	Yes – third party software
Entertainment		
MP3 playback support	No	Windows Media Player
Video playback	Yes – third party software	Windows Media Player
E-book reader	Yes – third party software	Microsoft Reader
Software support		
Third-party applications on Download.com	1,840	386
Security		
Password Protection	Yes	Yes (two levels)

Our recommendations consider the need for a low cost personal organizer with basic features, and a more expensive model with additional features.

Handheld Devices

PDA – Basic Features

Features and Applications	Sony Clie PEG-S360	Palm m125	Handspring Visor Edge
OS Provided	Palm OS 4.0	Palm OS 4.0	Palm OS 3.5.2H3
Memory	16MB	8MB	8MB
Interface	USB, IrDA	USB, IrDA	USB, IrDA
LCD	Backlit monochrome display 160 x 160	Backlit monochrome display 160 x 160	Backlit monochrome display 160 x 160
Dimensions	4.63 x 2.88 x .59 (HxWxD)	4.82 x 3.1 x .87 (HxWxD)	4.7 x 3.1 x .44 (HxWxD)
Weight	4.27 oz	5.31 oz	4.8 oz
Battery	Lithium-ion rechargeable battery	Alkaline AAA battery	Lithium-ion rechargeable battery
List Price	$199	$199	$199

Issue – Identify and standardize a personal organizer for employees at California Department of Food and Agriculture.

Objectives – Identify key manufacturers and read various computer publications and literature to obtain information about the technology and the products offered.

Analysis & Alternatives Considered – The current recommendation is consistent with the current model here at CDFA.

Fiscal Impact – This will have no fiscal impact.

Recommendation – Sony Clie PEG-S360

Handheld Devices

PDA – Additional Features

Features and Applications	Compaq IPAQ PC H3850	Toshiba PC e570	HP Jornada 567
OS Provided	Pocket PC 2002	Pocket PC 2002	Pocket PC 2002
Memory	64MB	64MB	64MB
Interface	USB, IrDA	USB, IrDA	USB, IrDA
LCD	TFT LCD 64K 240x320	TFT LCD 64K 240x320	TFT LCD 64K 240x320
Dimensions	5.3 x 3.3 x .62 (HxWxD)	4.9 x 3 x .7 (HxWxD)	5.2 x 3.01 x .68 (HxWxD)
Weight	6.7 oz	6.3 oz	6.1 oz
Battery	Lithium Polymer rechargeable	Lithium Polymer rechargeable	Lithium Polymer rechargeable
List Price	$599	$569	$599

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Fiscal Impact – This will have no fiscal impact.

Recommendation – Compaq IPAQ PC H3850

Basic PDA Recommendation

SONY CLIÉ™ PEG-S360

Specifications
Operating System – Palm 4.0
Memory – 16MB (DRAM), 4MB (Flash)
Interface – USB, IrDA
Display - Backlit monochrome display, 160 x 160 pixels
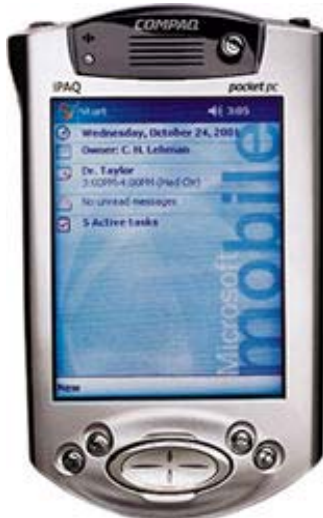**Dimensions** - 4.63 (H) x 2.88 (W) x 0.59 (D) inches. 4.27 oz. (including stylus).
Bundled Software - Palm™ Organizer Applications, Address Book, Date Book, To Do List, Memo Pad, Mail, Calculator, HotSync® software
List Price = $199

Additional Features PDA Recommendation

COMPAQ

iPAQ Pocket PC H3850

Specifications
Operating System – Pocket PC 2002
Memory – 64MB (RAM), 32MB (ROM)
Interface – USB, Serial, IrDA
Display – Color reflective TFT LCD, 240 x 320, 64k colors
Dimensions - 5.3 (H) x 3.3 (W) x 0.62 (D) inches.
Bundled Software – Microsoft Pocket Word, Excel, Outlook, Internet Explorer, and Windows Media
List Price = $599